## What is claimed is:

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- 1. A bulb of an electrodeless lamp system using stannum (Sn) as a primary bulb fill in order to continuous spectrum in discharging.
- 2. The bulb of claim 1, wherein the primary bulb fill is a halogenide of the Sn.
- 3. The bulb of claim 2, wherein the halogenide of the Sn is stannum bromide (SnBr<sub>2</sub>).
  - 4. The bulb of claim 1, wherein filling amount of the primary bulb fill is within a range of  $0.005 \sim 0.1$  mol/cc.
  - 5. The bulb of claim 1, wherein buffer gas filled in the bulb for contributing initial discharging includes at least one or more among Ne, Ar, Kr and Xe.
- 6. The bulb of claim 1, wherein auxiliary bulb fill filled in the bulb is mercury for stablizing the discharge and changing the spectrum.
  - 7. The bulb of claim 6, wherein the mercury is added to be an amount within a range of  $10^{-7} \sim 10^{-3}$  mol/cc.
- 25 8. The bulb of claim 1, wherein the capacity of the bulb has 50

watt/cc or more power consumption concentration.

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- 9. An electrodeless lamp system comprising:
- a microwave generator for generating microwave by being supplied power source;
  - a resonator blocking the generated microwave and transmitting emitted light; and
  - a bulb, in which filled luminescent material becomes plasma by the generated microwave to generate the light,
- wherein the bulb includes a primary bulb fill in order to obtain continued spectrum in discharging.
  - 10. The system of claim 9, wherein the primary bulb fill is stannum (Sn).
  - 11. The system of claim 9, wherein the primary bulb fill is halogenide of Sn.
- 12. The system of claim 11, wherein the halogenide of Sn is stannum 20 bromide (SnBr<sub>2</sub>).
  - 13. The system of claim 9, wherein the primary bulb fill is filled within a range of  $0.005 \sim 0.1$  mol/cc.
- 25 14. The system of claim 9, wherein buffer gas filled in the bulb for

contributing to initial discharging includes at least one or more among Ne, Ar, Kr and Xe.

- 15. The system of claim 9, wherein mercury is added in the bulb as an auxiliary bulb fill for stabilizing the discharge and for changing the spectrum.
  - 16. The system of claim 15, wherein the amount of mercury is within a range of  $10^{-7} \sim 10^{-3}$  mol/cc.
- 17. The system of claim 9, wherein the capacity of the bulb has 50 watt/cc or more power consumption concentration.

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